

Title (en)

"Amido-phosphonate or amido-bisphosphonate derivatives of carboxylated polysaccharides, preparation and biomedical uses thereof"

Title (de)

Amidphosphonat- bzw. Amidbisphosphonat-Derivate aus carboxylierten Polysacchariden, ihre Zubereitung und biomedizinische Verwendung

Title (fr)

Dérivés d'amido phosphonates ou amido bisphosphonate des polysaccharides carboxylés, préparation et utilisations biomédicales

Publication

**EP 1994945 A1 20081126 (EN)**

Application

**EP 08156267 A 20080515**

Priority

- EP 07425286 A 20070516
- EP 08156267 A 20080515

Abstract (en)

Disclosed are carboxylated polysaccharides amido-phosphonated or amido-bis-phosphonated derivatives obtained by reaction of polysaccharides with nitrogen containing bisphosphonates or aminoalkyl phosphonic acid or imino(dialkyl phosphonic acid), and their use in the preparation of pharmaceutical formulations.

IPC 8 full level

**A61K 47/48** (2006.01); **C08B 11/12** (2006.01); **C08B 31/10** (2006.01); **C08B 37/00** (2006.01); **C08B 37/04** (2006.01); **C08B 37/08** (2006.01)

CPC (source: EP)

**C08B 11/02** (2013.01); **C08B 15/005** (2013.01); **C08B 37/0084** (2013.01); **C08B 37/0096** (2013.01); **C08J 3/075** (2013.01); **C08L 1/286** (2013.01); **C08L 5/00** (2013.01); **C08L 5/04** (2013.01); **C08J 2301/28** (2013.01); **C08J 2305/00** (2013.01); **C08J 2305/04** (2013.01)

Citation (applicant)

EP 1614696 A1 20060111 - LIMA LTO SPA [IT]

Citation (search report)

- [DY] EP 1614696 A1 20060111 - LIMA LTO SPA [IT]
- [Y] WO 0185217 A1 20011115 - HOFFMANN LA ROCHE [CH]
- [Y] WO 03043641 A1 20030530 - NOBEL ILAC SANAYII VE TICARET [TR], et al
- [Y] EP 0025830 A1 19810401 - NAT STARCH CHEM CORP [US]
- [Y] US 5011913 A 19910430 - BENEDICT JAMES J [US], et al

Cited by

IT201800009444A1; US9018372B2; US11642415B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 1992364 A1 20081119**; EP 1994945 A1 20081126; EP 1994946 A1 20081126

DOCDB simple family (application)

**EP 07425286 A 20070516**; EP 08156267 A 20080515; EP 08156273 A 20080515